

**Date :** 4/23/2020 4:24:22 PM

**From :** "seanyu@epochlifescience.com" seanyu@epochlifescience.com

**To :** "Yin (Whitney), Yuhui W." ywyin@UTMB.EDU

**Subject :** RE: synthesize a clone

**Attachment :** MN908947.gb;

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Hi Whitney,

I need your help to identify the DNA sequence for the RNA polymerase. Thanks

Sean

**From:** Yin (Whitney), Yuhui W. <ywyin@UTMB.EDU>

**Sent:** Thursday, April 23, 2020 4:07 PM

**To:** seanyu@epochlifescience.com

**Subject:** Re: synthesize a clone

Hi Sean,

Let's make a native one first. Do you see problem in expressing the native sequence in E. coli?

This is following a published protocol, attached.

Thanks for you rapid reply

**From:** Sean Yu <seanyu@epochlifescience.com>

**Date:** Thursday, April 23, 2020 at 3:48 PM

**To:** Yuhui Yin <ywyin@UTMB.EDU>

**Subject:** RE: synthesize a clone

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Hi Whitney,

Do you need the native DNA sequence or you need codon optimization for E coli expression? Thanks

Sean

**From:** Yin (Whitney), Yuhui W. <ywyin@UTMB.EDU>

**Sent:** Thursday, April 23, 2020 3:17 PM

**To:** Sean Yu <seanyu@epochlifescience.com>

**Subject:** synthesize a clone

Hi Sean,

Hope you are well.

I would like to synthesize a gene for SARS-Cov-2 RNA polymerase. Specifically, COVID-19 virusnsp12 (GenBank: MN908947) gene was cloned into a modified pET-22a vector, with the C-terminus possessing a10× His-tag.

Please let me know if this can be done quickly.

Thanks!

Whitney

Whitney Yin  
Department of Pharmacology and Toxicology  
University of Texas Medical Branch  
BSB3.110, 301 University Blvd,  
Galveston, TX 77555  
TEL: 409-772-9631  
EMAIL: [ywyin@utmb.edu](mailto:ywyin@utmb.edu)